

IN THE CLAIMS

1. (Currently Amended) A directional microphone assembly, comprising:
a surface part having at least two inlet holes for sound;
a microphone having at least two sound inlets; and
means for transporting sound from each inlet hole to a respective sound inlet,
~~characterized in that~~ the transporting means are hollow and at least substantially rigid, wherein
an inner diameter of the hollow transporting means are dimensioned in such a way that a
frequency response of the transporting means are optimized.

2. (Cancelled)

3. (Currently Amended) An assembly according to claim 1, ~~wherein~~ further comprising
damper grids ~~are~~ placed on an inner surface of the mean for transporting sound to the inlets,
which ~~is acting~~ acts as a sound passage for front volume.

4. (Cancelled)

5. (Original) An assembly according to claim 1, wherein the transporting means are
attachable or attached to the microphone.

6. (Original) An assembly according to claim 1, wherein at least one of the transporting
means comprise a sound-delaying filter.

7. (Original) An assembly according to claim 1, for use in a hearing aid.

8. (Currently Amended) A hearing aid, comprising:
a surface part having at least two inlet holes for sound;
a microphone having at least two sound inlets; and
~~hollow and at least substantially rigid~~ means for transporting sound from each inlet hole to
a respective sound inlet, the transporting means are hollow and at least substantially rigid,

wherein an inner diameter of the hollow transporting means are dimensioned in such a way that the frequency response of the transporting means are optimized.

9. (Cancelled)

10. (Currently Amended) A hearing aid according to claim 8, ~~wherein~~ further comprising damper grids ~~are~~ placed on an inner surface of the mean for transporting sound to the inlets, ~~which is acting~~ acts as a sound passage for front volume.

11. (Cancelled)

12. (Original) A hearing aid according to claim 8, wherein the transporting means are attachable or attached to the microphone.

13. (Original) A hearing aid according to claim 8, wherein at least one of the transporting means comprises an acoustical sound-delaying filter.

14. (Currently Amended) A microphone assembly for use in the hearing aid according to claim 8, the assembly comprising:

a microphone having at least two sound inlets; and
~~hollow and at least substantially rigid~~ transporting means attached to the microphone and being adapted to transport sound from predetermined positions to a respective sound inlet, the transporting means are hollow and at least substantially rigid.

15. (Cancelled)

16. (Currently Amended) An assembly according to claim 14, ~~wherein~~ further comprising damper grids ~~are~~ placed on an inner surface of the mean for transporting sound to the inlets, ~~which is acting~~ acts as a sound passage for front volume.

17. (Cancelled)

18. (Currently Amended) An assembly according to ~~any of~~ claims 14, wherein the transporting means are adapted to abut or engage an element defining ~~the~~ a surface part having sound inlet holes, the transporting means abutting or engaging the element at sound inlet holes thereof.

19. (Currently Amended) An assembly according to ~~any of~~ claims 14, wherein at least one of the transporting means comprises an acoustical sound-delaying filter.

20. (Currently Amended) An assembly according to ~~any of~~ claims ~~14-19~~, wherein the sound-delaying filter is adapted to delay sound by a period of time at least substantially corresponding to a distance between two predetermined positions divided by the velocity of sound in air at sea level.

21. (Currently Amended) An assembly according to ~~any of~~ claims ~~12-19~~, wherein the acoustical sound-delaying filter is adapted to provide a sound delay corresponding to 0.33-0.57 times a distance between two inlet holes in the surface part divided by the speed of sound.

22. (New) A directional microphone assembly, comprising:
a surface part having at least two inlet holes for sound;
a microphone having at least two sound inlets; and
means for transporting sound from each inlet hole to a respective sound inlet, the transporting means are hollow and at least substantially rigid, wherein a diameter of the at least two inlet holes for sound are dimensioned according to a required directionality.

23. (New) A hearing aid, comprising:
a surface part having at least two inlet holes for sound;
a microphone having at least two sound inlets; and
means for transporting sound from each inlet hole to a respective sound inlet, the

transporting means are hollow and at least substantially rigid, wherein a diameter of the at least two inlet holes for sound are dimensioned according to a required directionality.

24. (New) A microphone assembly for use in the hearing aid according to claim 23, the assembly comprising:

a microphone having at least two sound inlets; and

transporting means attached to the microphone and being adapted to transport sound from predetermined positions to a respective sound inlets, the transporting means are hollow and at least substantially rigid.